

***(Use Several Sheets if necessary)***

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**09/857,651**

Tatsuji Seki, et al

**December 8, 1999**

1638

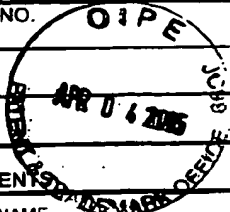
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OK	CA	Miyake et al., "Purification of Human Erythropoietin", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 252, No. 15, Issue of August 10, pp. 5558-5564, 1977 Printed in U.S.A.
OK	CB	Kieliszewski et al., "Tandem Mass Spectrometry and Structural Elucidation of Glycopeptides from a Hydroxyproline-rich Plant Cell Wall Glycoprotein Indicate That Contiguous Hydroxyproline Residues Are the Major Sites of Hydroxyproline O-Arabinosylation", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 270, No. 6, Issue of February 10, pp. 2541-2549, 1995 Printed in U.S.A.

DATE CONSIDERED

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<b>INFORMATION DISCLOSURE STATEMENT</b> (Use Several Sheets if necessary)				ATTY DOCKET NO. 62,736A		SERIAL NO. 09,857,651	
				APPLICANT Tatsuiji Seki		GROUP 1638	
				FILING DATE 08/27/2001			



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
OK	AA	US 5,202,422	Apr-1993	Hiatt et al.	424	132.1	
	AB	US 5,879,912	Mar-1999	Roth	435	72	
	AC	US 6,046,040	Apr-2000	Nishiguchi et al.	435	97	
	AD	US 6,054,304	Apr-2000	Taniguchi et. al	435	193	
	AE	<del>US 2001/035584</del>	<del>Dec-2001</del>	<del>McKenzie, et al.</del>			
	AG	US 6,331,418 B1	Dec-2001	Roth	435	97	
OK	AH	US 2004/0072290	Apr-2004	Umana, Paul et al.	435	69.1	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES   NO	
OK	BA	94/12646	Jun-1994	PCT				
	BB	95/02683	Jan-1995	PCT				
	BC	98/31826	Jul-1998	PCT				
	BD	99/24584	May-1999	PCT				
	BF	99/51185	Oct-1999	PCT				
	BG	00/29603	May-2000	PCT				
	BH	00/34490	Jun-2000	PCT				
	BI	00/49153	Aug-2000	PCT			Abstract	X
	BJ	00/52136	Sep-2000	PCT				
	BK	00/287692	Oct-2000	Mitsui Chemicals, Inc.; Kirin Brewery Co., Ltd. (Astract)			Abstract	X
	BL	01/29242	Apr-2001	PCT				
	BM	01/31045	May-2001	PCT				
	BN	01/31044	May-2001	PCT				
	BO	01/49831 A2/A3	Jul-2001	PCT				
	BP	01/62912 A2	Aug 2001	PCT				
	BQ	01/64901 A1	Sep-2001	PCT				
	BR	01/81591 A1	Nov-2001	PCT (Abstract)			Abstract	X
		BS	02/00879	Jan-2002	PCT			
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	BU	EP 1 243 647 A1	Sep-2002	EP English equivalent of wo/0146400 (JP)				
	BV	03/011878 A2/A3	Feb-2003	PCT				
OK	BW	03/078614 A2/A3	Sep-2003	PCT				

EXAMINER <i>David Huse</i>	DATE CONSIDERED <i>6 June 2005</i>
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<b>OTHER DISCLOSURES</b> (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)			
CA	BAKKER H ET AL:	"Galactose-Extended Glycans Of Antibodies Produced By Transgenic Plants", Proceedings Of The National Academy Of Sciences Of USA, National Academy Of Science. Washington, US, Vol. 98, No. 5, 27-February-2001, Pages 2899-2904	
CB	BAKKER HANS ET AL:	"An Arabidopsis Thaliana cDNA Complements The N-Acetylglucosaminyltransferase I Deficiency Of CHO Lec1 Cells", Biochemical And Biophysical Research Communications, Vol. 261, No. 3, 11 August 1999, Pages 829-832	
CC	CABANES-MACHETEAU MARION ET AL:	"N-Glycosylation Of A Mouse IgG Expressed In Transgenic Tobacco Plants." Glycobiology, Vol. 9, No. 4, April 1999, Pages 365-372	
CE	DATABASE EMBL 'ONLINE'	28 April 2000 Retrieved From Ebi Database Accession No. AJ277603, Sequence, Annotation, Bakker, H "Arabidopsis Thaliana mRNA for Beta1,2-Xylosyltransferase (xylt gene)"	
CF	ELBERS INGRID J W ET AL:	"Influence Of Growth Conditions And Developmental Stage On N-Glycan Heterogeneity Of Transgenic Immunoglobulin G And Endogenous Proteins In Tobacco Leaves", Plant Physiology (Rockville), Vol. 126, No. 3, July 2001, Pages 1314-1322	
CG	ESSL D ET AL:	"The N-Terminal 77 Amino Acids From Tobacco N-Acetylglucosaminyltransferase I Are Sufficient To Retain A Reporter Protein In The Golgi Apparatus Of Nicotiana Benthamiana Cells" Febs Letters, Elsevier Science Publishers, Amsterdam, NL, Vol. 453, No. 1-2, 18-June-1999, Pages 169-173	
CH	FUJIYAMA KAZUHITO ET AL:	"In Vivo Conversion Of Glycan To Human Compatible Type By Transformed Tobacco Cells." Biochemical And Biophysical Research Communications, Vol. 289, No. 2, 30-November 2001, Pages 553-557	
CI	GASSER, CHARLES S. ET AL.:	Genetically Engineering Plants for Crop Improvement; Science volume 244, 16 June 1989, page 1293-1299	
CJ	GOMEZ L AND CHRISPEELS M J:	"Complementation Of An Arabidopsis Thaliana Mutant That Lacks Complex Asparagine-Linked Glycans With The Human cDNA Encoding N-acetylglucosaminyltransferase I", Proceedings Of The National Academy Of Sciences Of USA, National Academy Of Science. Washington, US, Vol. 91, March 1994, Pages 1829-1833	
CK	GRABENHORST ECKART ET AL:	"The Cytoplasmic, Transmembrane, And Stem Regions Of Glycosyltransferases Specify Their In Vivo Functional Sublocalization And Stability In The Golgi", Journal Of Biological Chemistry, Vol. 274, No. 51, 17-December, 1999, Pages 36107-36116	
CM	HIEI Y ET AL.	"Experimental Protocols for Model Plants: Rice and Arabidopsis version" Plant J. 6: 271-282 (1994) (Original version copy and translation)	
CN	HIEI Y ET AL.	"Transformation of Rice Medicated by Agrobacterium Tumefaciens" Plant molecular biology 35: 205-218, 1997 Printed in Belgium	
CO	HESS, DIETER ET AL.:	"Transformation experiments by pipetting Agrobacterium into the spikelets of wheat (Triticum aestivum L.) Plant Science 72 (1990) 233-244, Elsevier Scientific Publishers of Ireland Ltd. Printed and published in Ireland.	
CP	HOLLISTER, JASON ET AL.	"Engineering The Protein N-Glycosylation Pathway In Insect Cells For Production Of Biantennary Complex N-Glycans.", Biochemistry, Vol. 41, No. 50, 17-December-2002, Pages 15093-15104	
CQ	IHARA Y ET AL:	"cDNA Cloning, Expression, And Chromosomal Localization Of Human N-acetylglucosaminyltransferase III (GnT-III)" Journal Of Biochemistry, Vol. 113, No. 6, 1993, Pages 692-698	
CR	ISHIDA, Y ET AL:	"High Efficiency Transformation Of Maize (Zea mays L.) mediated by Agrobacterium tumefaciens" Nature Biotechnology volume 14, June 1996, pages 745-750	
CS	Jähne, A ET AL.:	"Genetic Engineering of Cereal crop Plants: A Review", Euphytica 85:35-44, 1995 Kluwer Academic Publishers, printed in the Netherlands	
CU	KAWAR ZIAD ET AL:	"Insect Cells Encode A Class II Alpha-Mannosidase With Unique Properties", Journal Of Biological Chemistry, Vol. 267, No. 19, 11-May-2001, Pages 16335-16340	
CW	KLEENE R ET AL:	"Expression Of Soluble Active Human Beta1, 4 Galactosyltransferase In Saccharomyces Cerevisiae", Biochemical And Biophysical Research Communications, Us, Academic Press, Inc., Orlando, FL, Vol. 201, No. 1, 30-May-1994, Pages 160-167	
CX	KU, MAURICE S.B. ET AL:	"High-Level Expression of Maize Phosphoenolpyruvate Carboxylase in Transgenic Rice Plants", Nature Biotechnology Vol 17 January 1999, pages 76-80	
CY	LEITER H ET AL:	"Purification, cDNA Cloning And Expression Of GDP-L-Fuc:Asn-Linked GlcNAc Alpha-1,3-Fucosyltransferase From Mung Beans" Journal Of Biological Chemistry, American Society Of Biological Chemists, Baltimore, Md, Us, Vol. 274, No. 31, 30-July-1999, Pages 21830-21839	
CZ	LEROUGE P ET AL:	"N-Glycoprotein Biosynthesis In Plants: Recent Developments And Future Trends", Plant Molecular Biology, Nijhoff Publishers, Dordrecht, NL, Vol. 38, 1998, Pages 31-48	
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CCA	LEROUGE P ET AL: "N-Glycosylation Of Recombinant Pharmaceutical Glycoproteins Produced In Transgenic Plants: Towards An Humanisation Of Plant N-Glycans" Current Pharmaceutical Biotechnology, Bentham Science Publishers, Boca Raton, FL, US, Vol. 1, No. 2, 2000, Pages 347-354		
CCB	LI BO ET AL: "Cloning, Expression And Characterization Of A cDNA (6a8) Encoding A Novel Human Alpha-Mannosidase" European Journal Of Biochemistry, Vo. 267, No. 24, December 2000, Pages 7176-7182		
CCC	MARAS M ET AL: "In Vitro Conversion Of The Carbohydrate Moiety Of Fungal Glycoproteins To Mammalian-Type Oligosaccharides", European Journal Of Biochemistry, Berlin, De, Vol. 249, 1997, Pages 701-707		
CCE	MIYOSHI E ET AL: "The Alpha1-6-Fucosyltransferase Gene And Its Biological Significance" BBA - General Subjects, Elsevier Science Publishers, NL, Vol. 1473, No. 1, 17-Dec-1999		
CCF	MOKRZYCKI-ISSARTEL NATHALIE ET AL: "A Transient Tobacco Expression System Coupled To MALDI-ToF-MS Allows Validation Of The Impact Of Differential Targeting On Structure And Activity Of A Recombinant Therapeutic Glycoprotein Produced In Plants." Febs Letters, Vol. 552, No. 2-3, 25-September 2003, Pages 170-176		
CCG	PALACPAC NIRIANNE Q ET AL: "Structures Of N-Linked Oligosaccharides Of Glycoproteins From Tobacco By2 Suspension Cultured Cells." Bioscience Biotechnology And Biochemistry, Vol. 63, No 1, Jan-1999, Pages 35-39		
CCH	RAYON CATHERINE ET AL: "N-Glycosylation Of Phytohemagglutinin Expressed In Bean Cotyledons Or In Transgenic Tobacco Cells", Plant Physiology And Biochemistry (Paris), Vol. 34, No. 2, 1996, Pages 273-281		
CCI	ROTHMAN "Protein Sorting by Selective Retention in the Endoplasmic Reticulum and Golgi Stack" 1987, Cell. August 14 50(4):521-2		
CCJ	SCHACHTER ET AL "The 'yellow brick road' to Branched Complex N-glycans", 1991 Glycobiology 1:453-461		
CCK	STRASSER R ET AL: "Molecular Cloning Of cDNA Encoding N-Acetylglucosaminyltransferase II From Arabidopsis Thaliana" Glycoconjugate Journal, Vol. 16, No. 12, December 1999, Pages 787-791		
CCL	TANG B L ET AL: "The Transmembrane Domain Of N-Glucosaminyltransferase I Contains A Golgi Retention Signal", Journal Of Biological Chemistry, American Society Of Biological Chemists, Baltimore, MD, US, Vol. 267, No. 14, 1992, Pages 10122-10126		
CCM	TANIGUCHI N. ET AL: A Glycomic Approach To The Identification And Characterization Of Glycoprotein Function In Cells Transfected With Glycosyltransferase Genes", Proteomics, Vol. 1, No. 2, February 2001, Pages 239-247		
CCN	VAN ENGELLEN F A ET AL: "Coordinate Expression Of Antibody Subunit Genes Yields High Levels Of Functional Antibodies In Roots Of Transgenic Tobacco", Plant Molecular Biology, NL, Nijhoff Publishers, Dordrecht, Vol. 26, No. 26, 1994, Pages 1701-1710-1710		
CCO	VITALE AND CHRISPEELS 1984 J Cell Biol 99 133-140		
CCP	VOELKER T A ET AL: "In-Vitro Mutated Phytohemagglutinin Genes Expressed In Tobacco Seeds: Role Of Glycans In Protein Targeting And Stability" Plant Cell, Vol. 1, No. 1, 1989, Pages 95-104		
CCQ	WEE EG. ET AL.: "Targeting Of Active Sialyltransferase To The Plant Golgi Apparatus", Plant Cell, October 1998, 1759-68		
CCR	WRIGHT A ET AL: "Effect Of Glycosylation On Antibody Function: Implications For Genetic Engineering", Trends In Biotechnology, Gb, Elsevier Publications, Cambridge, Vol. 15, No. 1, 1-January-1997, Pages 26-30		
CCS	YIN ZC ET AL: "Obtaining Transgenic Rice Plants and Their Progenies Using Agrobacterium Tumefaciens" Translated Chinese" Yi Chuan Xue Bao 1998 Dec;25(6): 517-24. PMID: 10465898 (Abstract only)		
CCU	YOSHIDA K ET AL: "Molecular Biology And Application Of Plant Peroxidase Genes.", Applied Microbiology And Biotechnology, Vol. 60, No. 6, February 2003, Pages 665-670		
CCW	ZHANG, YE et al.: "Transformation of Tobacco Using Human $\beta$ -1, 4 Galactosyltransferase Gene and Regeneration of Transgenic Plants" Annual reports of IC Biotech Vol. 18 1995, publicly available August 31, 1998		
CCX	ZHANG ET AL.: "Agrobacterium-Mediated Transformation of Elite Indica and Japonica Rice Cultivars" Molecular Biotechnology 1997 Humana press, pages 223-231		
CCY	ZHANG ET. AL "Quantative Analysis And Process Monitoring Of Site-Specific Glycosylation Microheterogeneity In Recombinant Human Interferon- $\gamma$ From Chinese Hamster Ovary Cell Culture By Hydrophilic Interaction Chromatography", (1998) Journal of Chromatography B, 712, 73-82		
CCZ	ZHU GUOFEN ET AL: "Beta-1,4 N-Acetylgalactosaminyltransferase (Gm2/Gd2/Ga2 Synthase) Forms Homodimers In The Endoplasmic Reticulum: A Strategy To Test For Dimerization Of Golgi Membrane Proteins" Glycobiology, Vol. 7, No. 7, 1997, Pages 987-996		
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